

POWER TRANSMISSION MECHANISM OF SHAFT AND HUB

CROSS-REFERENCE TO RELATED APPLICATION

This application is a National Stage entry of International Application No.
5 PCT/JP2004/011079, filed August 3, 2004, the entire specification claims and
drawings of which are incorporated herewith by reference.

TECHNICAL FIELD

The present invention relates to a power transmitting mechanism for
.0 transmitting torque smoothly between two members comprising a shaft and a hub.

BACKGROUND ART

On motor vehicles such as automobiles, there have been employed a set of
constant velocity joints for transmitting drive power from an engine through a shaft to
5 axles. Each constant velocity joint comprises an outer member, an inner member,
and a torque transmitting member disposed between the outer and inner members
for transmitting torque between the outer and inner members. The constant velocity
joint includes a shaft/hub unit having a tooth assembly which comprises a shaft tooth
section on the shaft and a hub tooth section on a hub, the shaft tooth section and the